

Rapid Communication

On the short-wave Bénard-Marangoni stability of a fluid layer with surface deformation

ISHAK HASHIM

Astrophysics, Atmospheric & Space Physics

No evidence of circumsolar dust ring during solar activity minimum phase

DEBI PRASAD CHOUDHARY, ASHOK K AMBASTHA, K R MURALI AND
N G VASHANT KUMAR

Spectral study on solar radio bursts in the microwave - millimeter wave
transition region

T K DAS AND H SARKAR

Current-driven oblique whistler mode by cold plasma injection in the
magnetosphere of Uranus

R P PANDEY, K M SINGH, S M KARIM, K D MISRA AND R S PANDEY

Latitudinal variation of OI 6300 Å line intensity reviewed in the light of Barbier's
equation

R CHATTOPADHYAY AND S K MIDYA

Atomic & Molecular Physics

A new, non-local quantum electrodynamics : Its effect on multiphoton single
and double ionization

KRISHNA RAI DASTIDAR

Coherence in positron (electron) scattering by lithium atoms

P P SINGH AND SANJEEV SAXENA

Einstein A-coefficients for rotational transitions in the ground vibrational
state of Si₂C molecule

SURESH CHANDRA

Compton profile of samarium

THOMAS VARGHESE, K M BALAKRISHNA AND K SIDDAPPA

General Physics

Ultrasonic, volumetric and viscometric study of molecular interactions in
binary mixtures of 2, 2, 4-trimethyl pentane with n-hexane and cyclohexane
at 308 K

A ALI, ABIDA, S HYDER AND A K NAIN

Plasma Physics

Loss of profile on the imaginary surface just enclosing the resonance surface
in 14.4 GHz ECR ion source

M H RASHID AND R K BHANDARI

Book Review